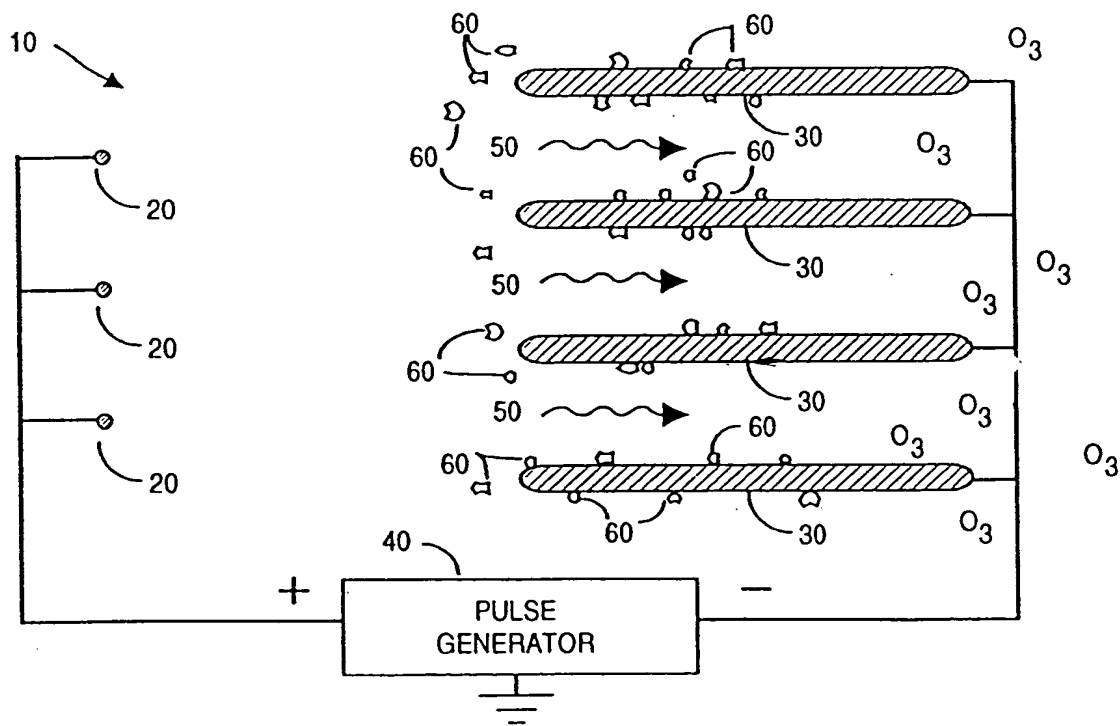


**FIG. 1A (PRIOR ART)**



**FIG. 1B (PRIOR ART)**

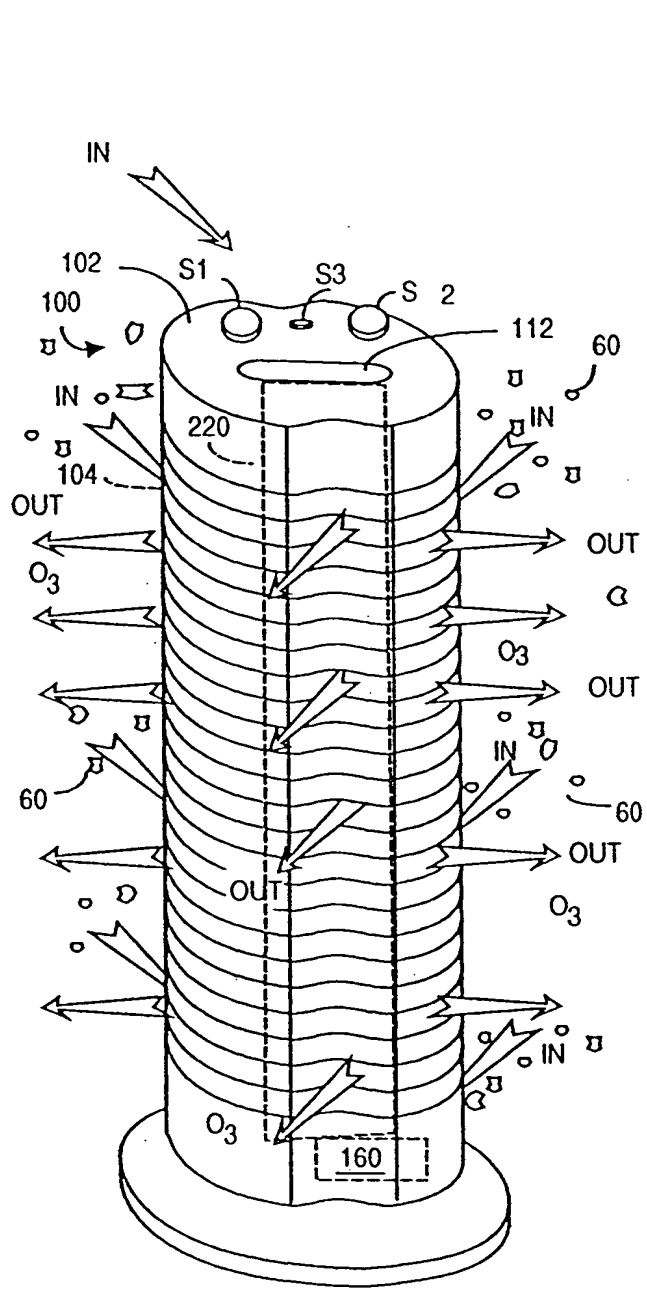


FIG. 2A

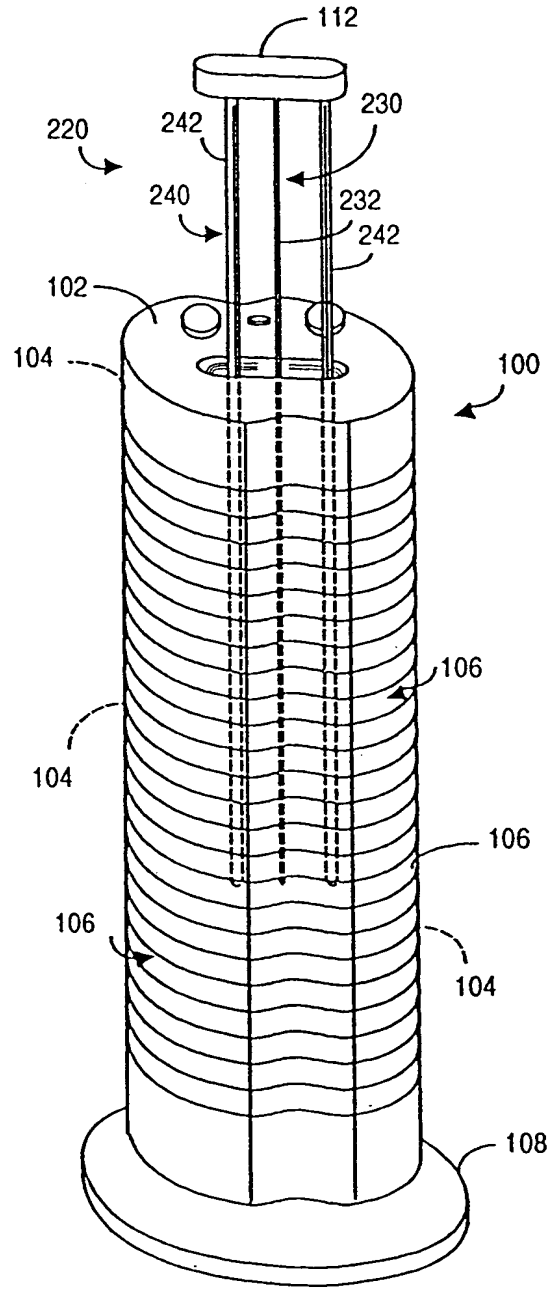


FIG. 2B



Title: Electro-Kinetic Air Transporter-Conditioner  
Device with Enhanced Cleaning Features

Inventor: Shek Fai Lau et al.

Appl. No.: 10/023,197

3/12

160 →

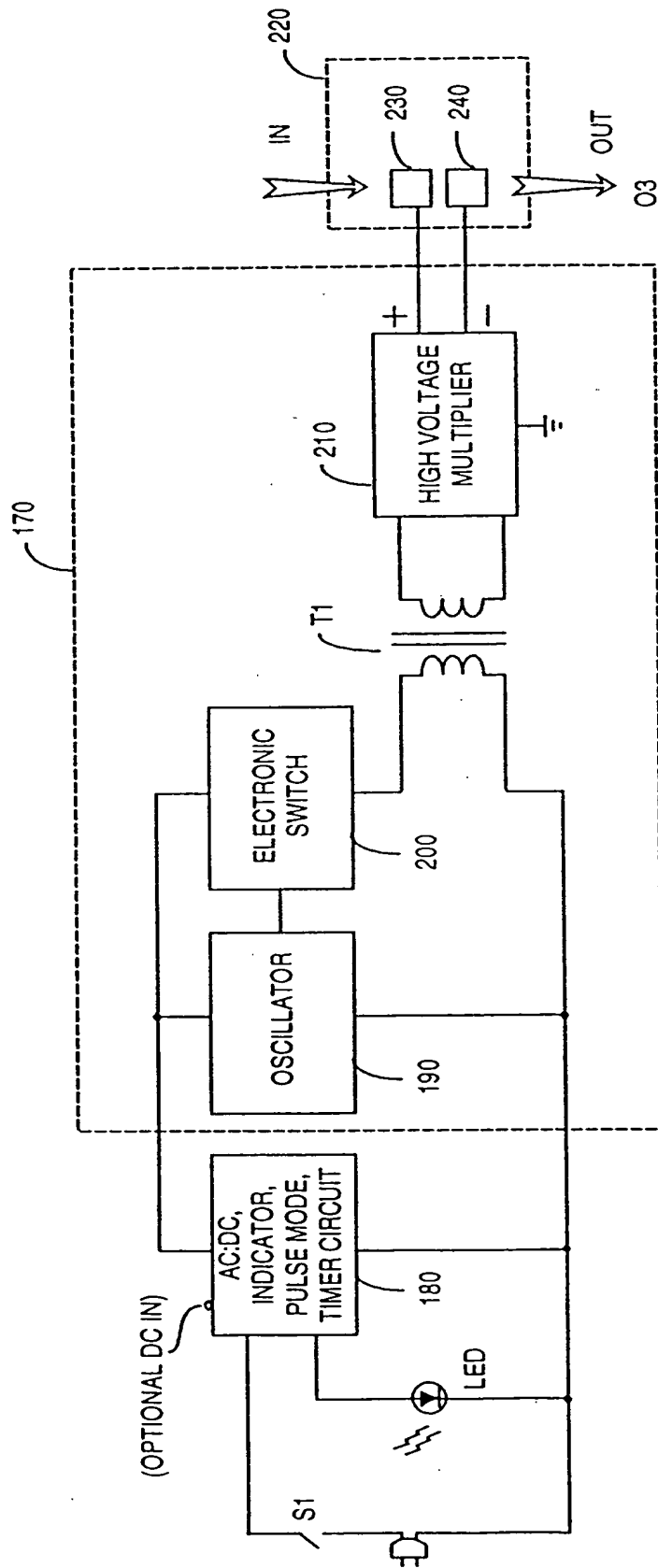
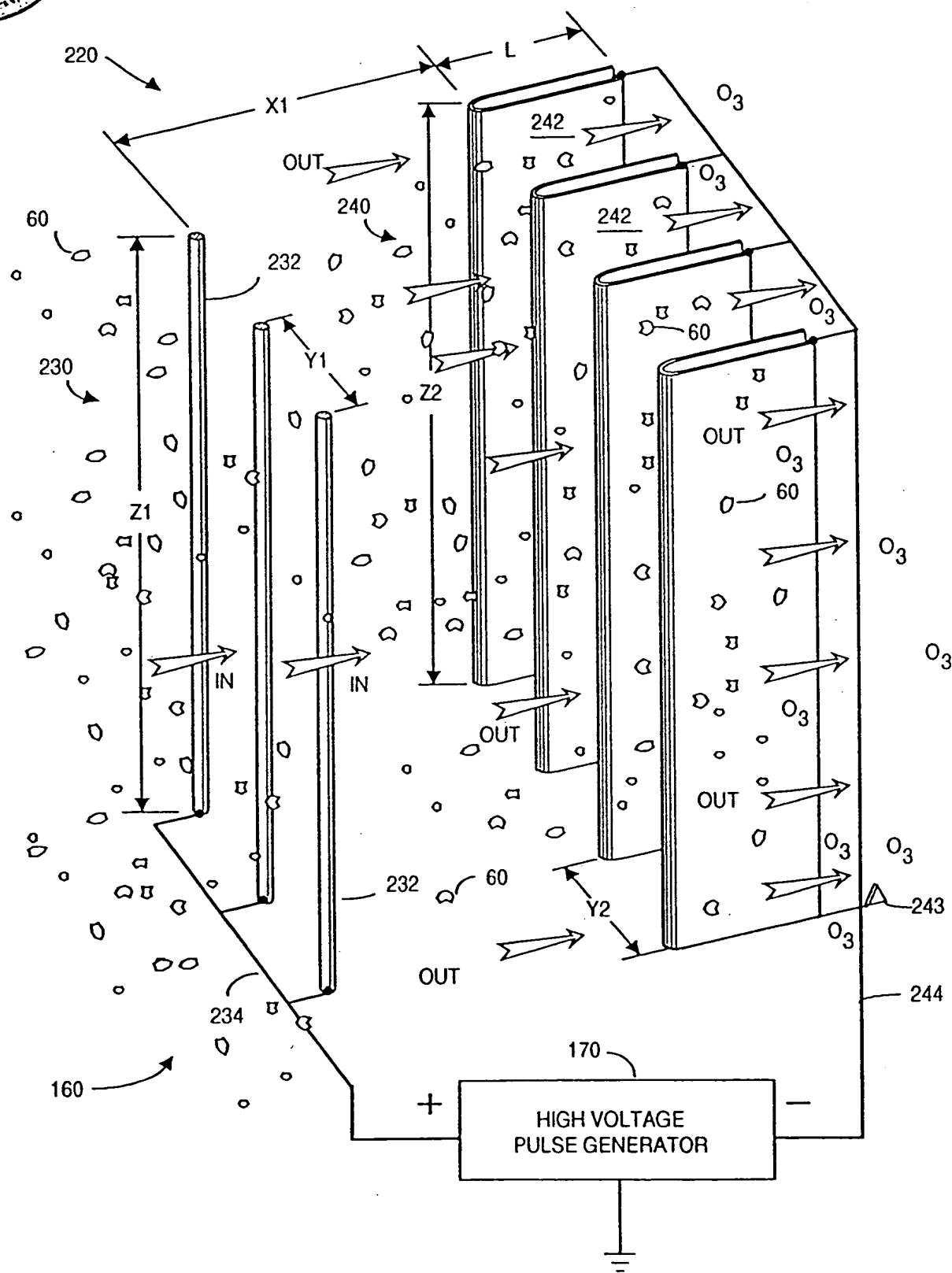
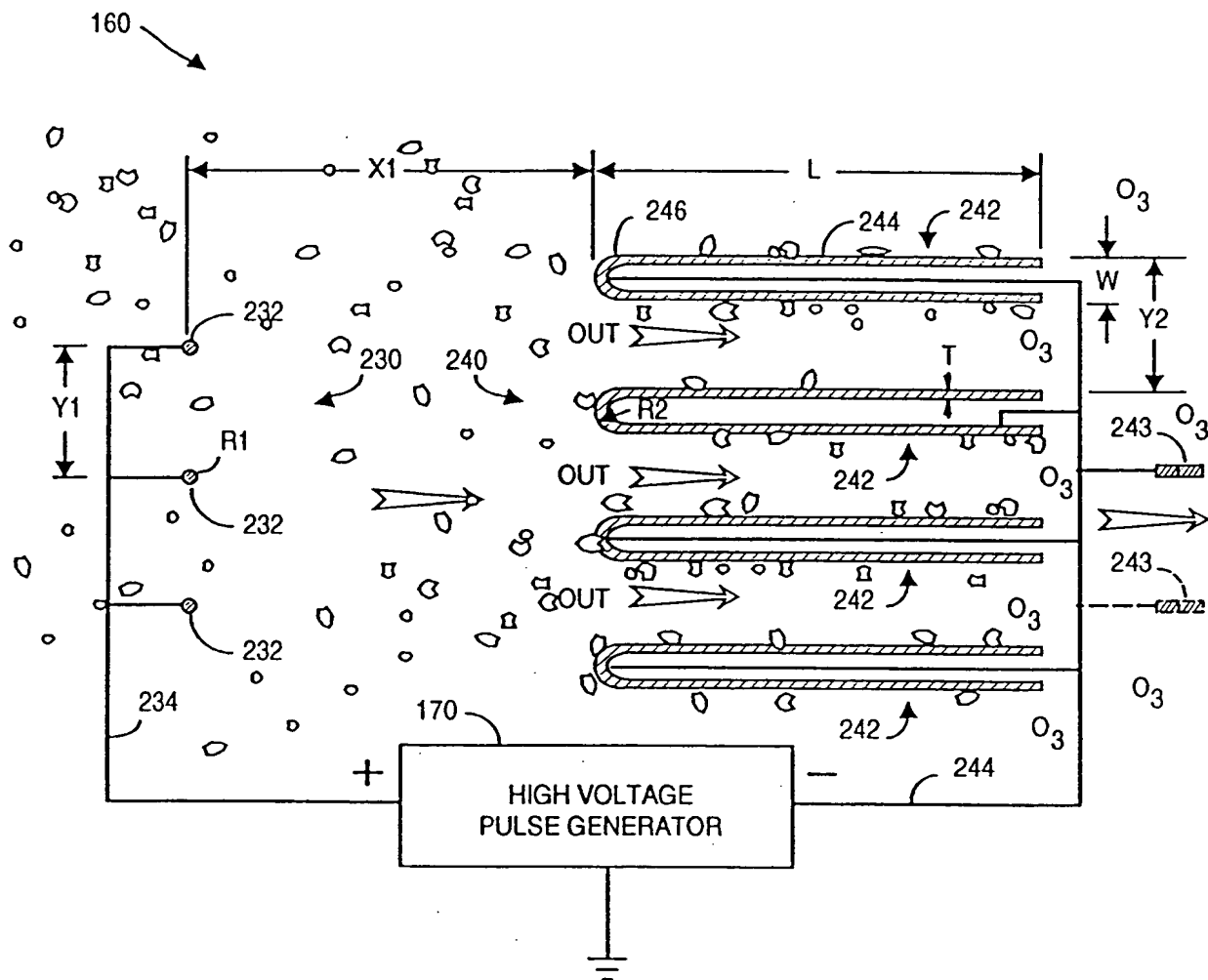
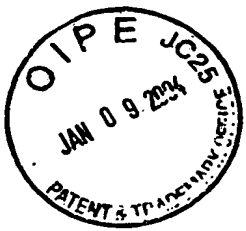


FIG. 3



**FIG. 4A**



**FIG. 4B**

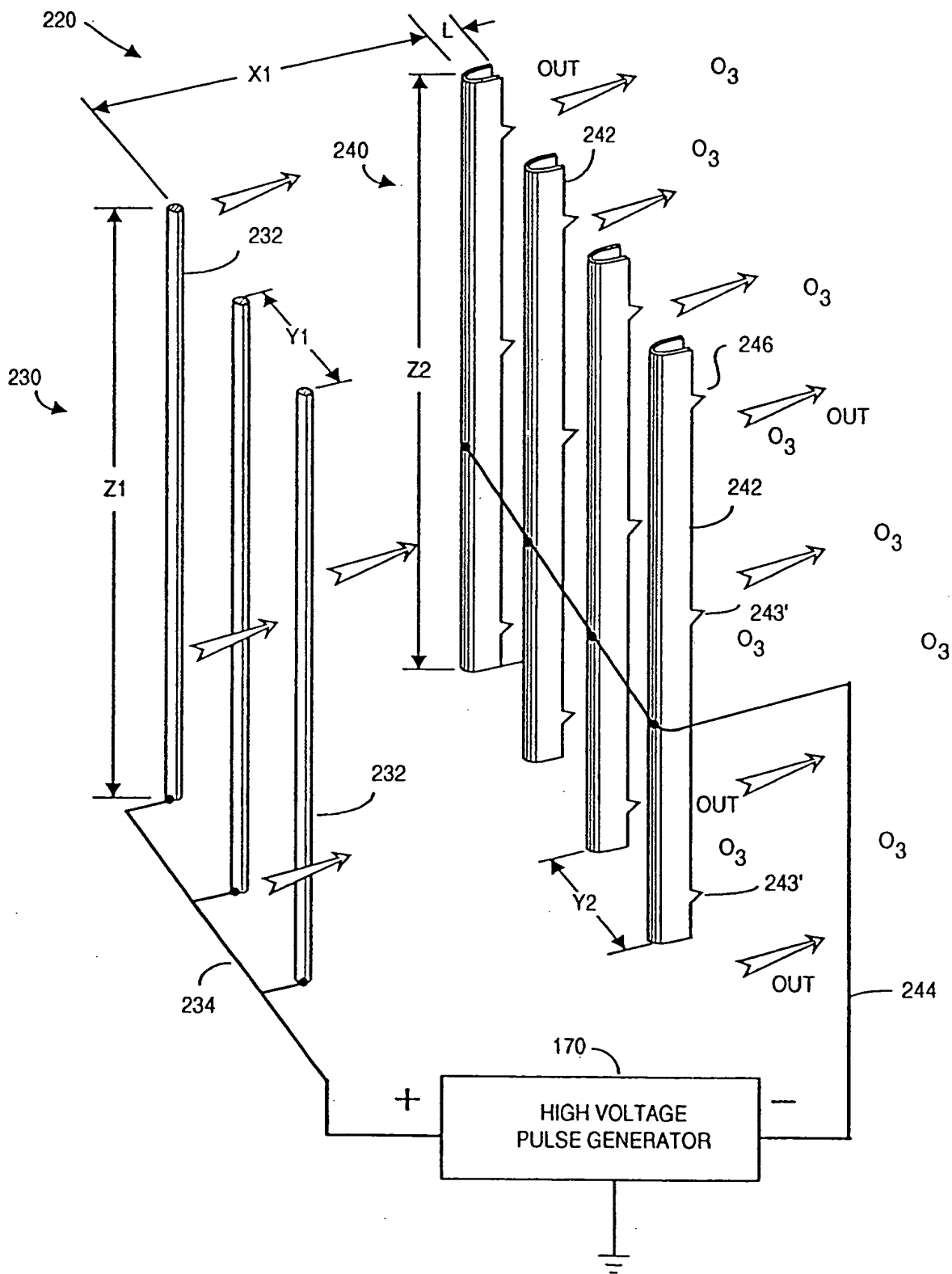
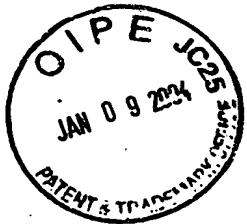
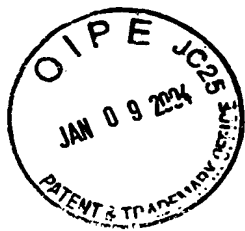


FIG. 4C

**FIG. 4D**

The diagram illustrates a high-voltage pulse generator system for a plasma jet. A central component is a rectangular box labeled "HIGH VOLTAGE PULSE GENERATOR" (170), which is grounded at its bottom. Two electrical leads connect this generator to two electrode assemblies. The first lead, labeled 234, connects the positive terminal (+) of the generator to the base of a vertical electrode assembly (230). This assembly consists of a long, thin vertical electrode (232) and a base (234). A vertical dimension line labeled Z1 indicates the height of electrode 232. A horizontal dimension line labeled X1 indicates the width of the electrode assembly. A small arrow labeled Y1 points to the top of electrode 232. The second lead, labeled 244, connects the negative terminal (-) of the generator to the base of a second vertical electrode assembly (240). This assembly also consists of a long, thin vertical electrode (242) and a base (244). A vertical dimension line labeled Z2 indicates the height of electrode 242. A horizontal dimension line labeled X2 indicates the width of the electrode assembly. A plasma jet, labeled 220, is shown exiting from the top of electrode 242. A magnetic field vector, labeled O3, is shown pointing upwards from the base of electrode 242. A coordinate system is defined by X1, Y1, Z1, and Z2. The word "OUT" is used to label the plasma jet and the output of the generator.



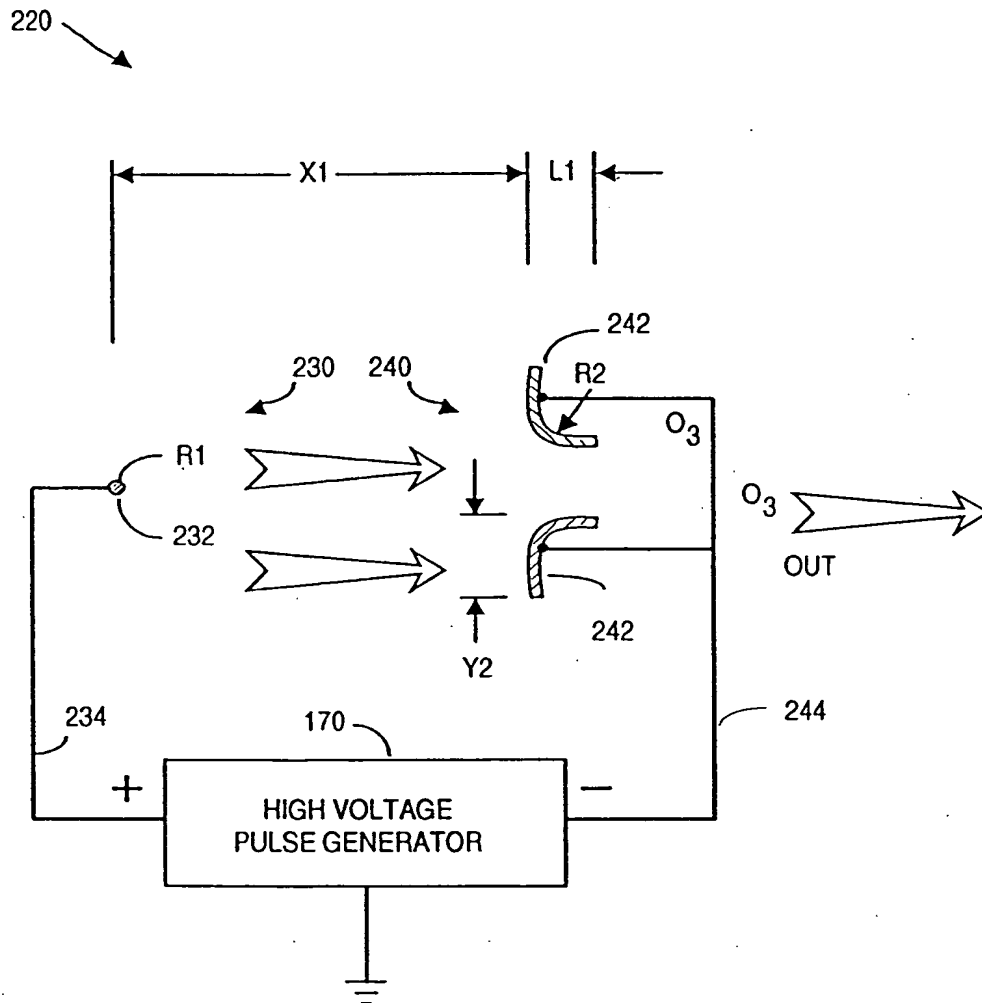


Title: Electro-Kinetic Air Transporter-Conditioner  
Device with Enhanced Cleaning Features

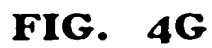
Inventor: Shek Fai Lau et al.

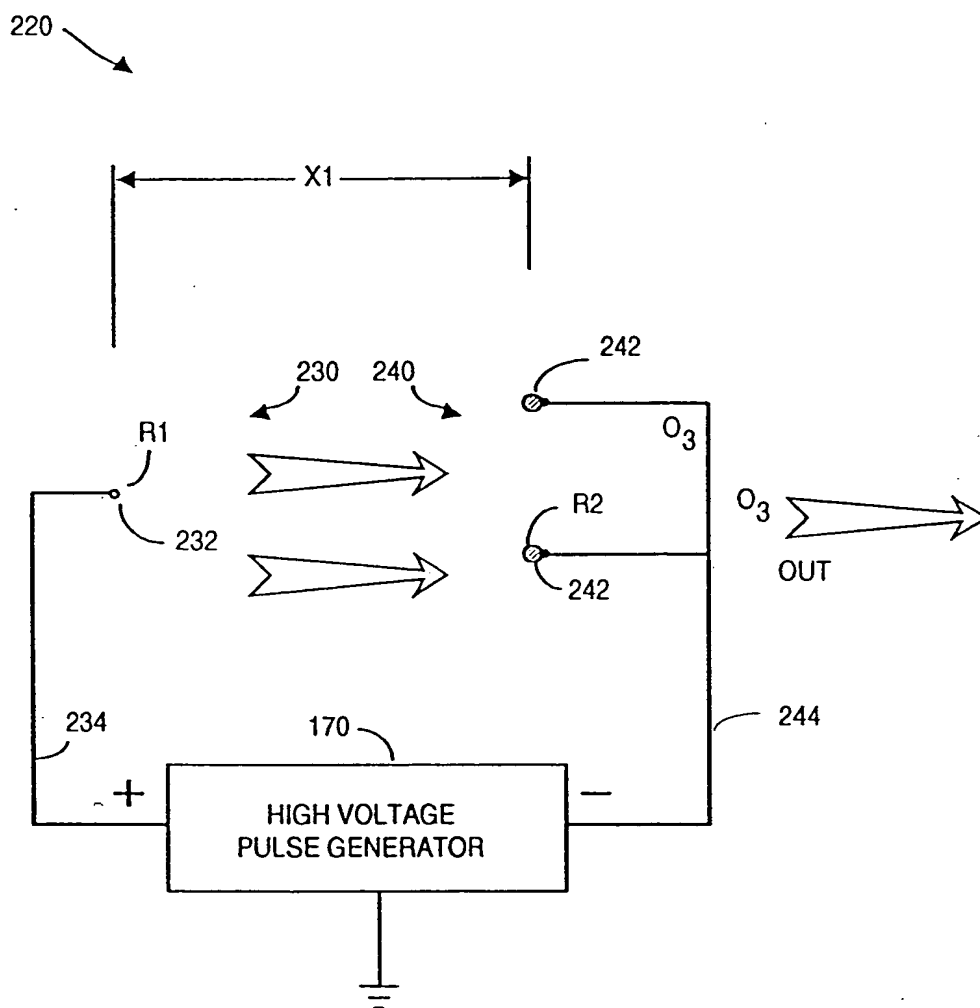
Appl. No.: 10/023,197

9/12

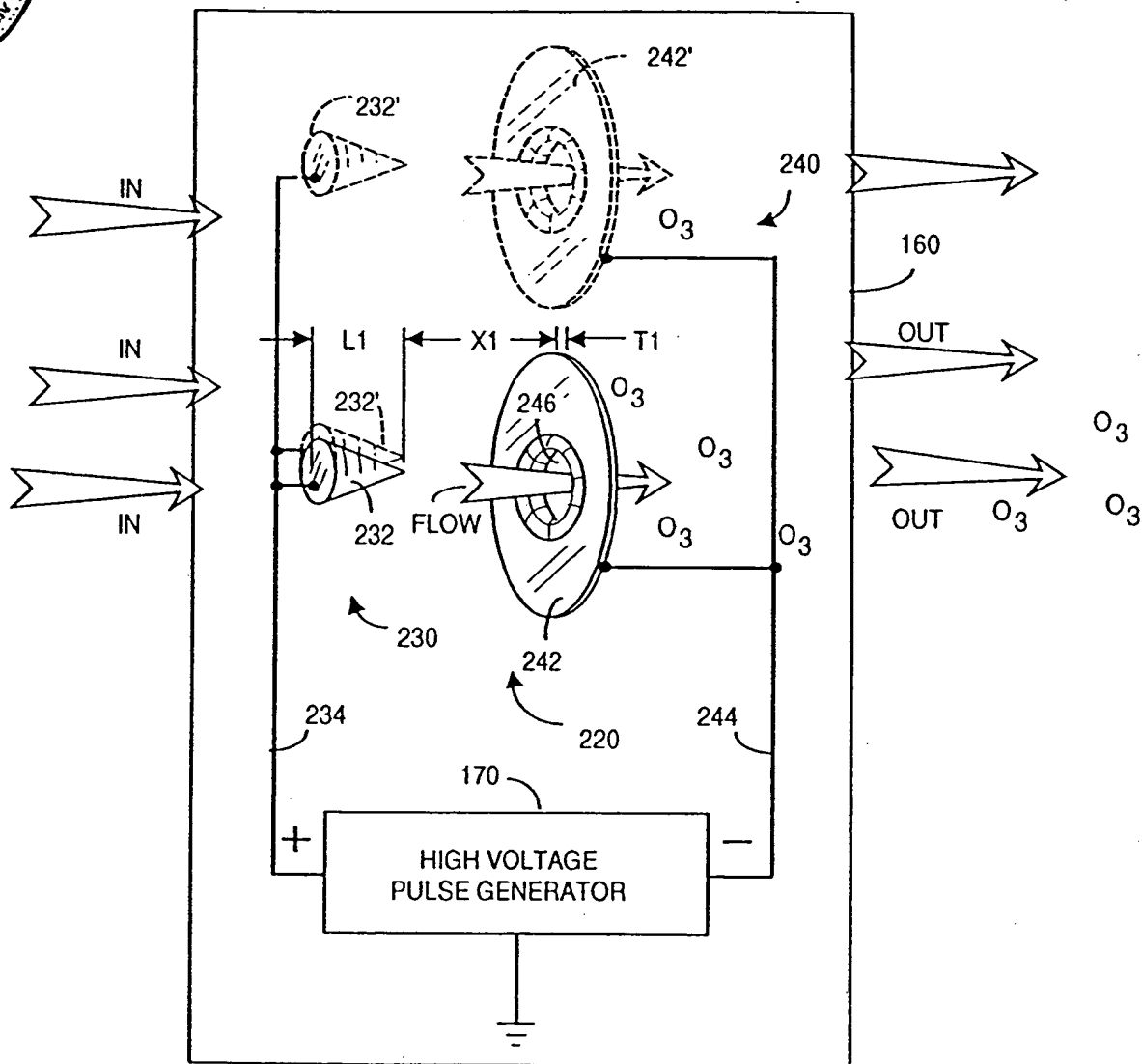
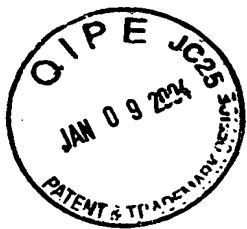


**FIG. 4F**

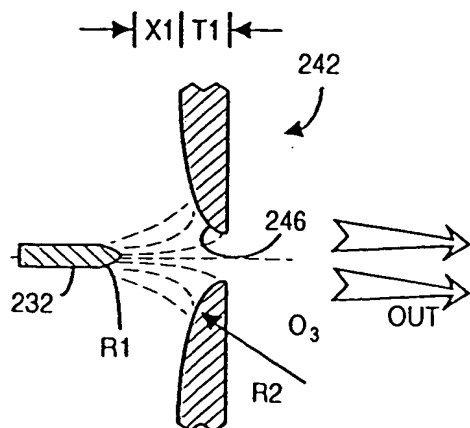




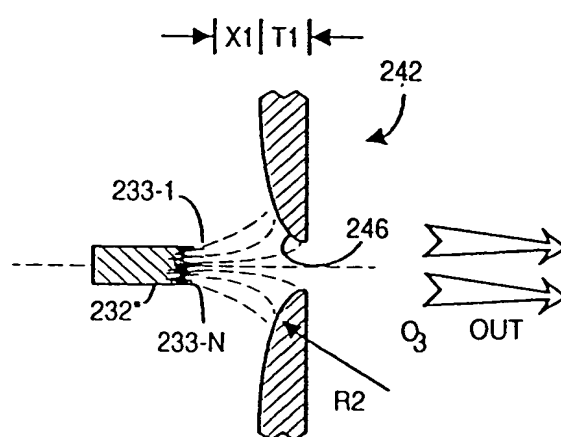
**FIG. 4H**



**FIG. 4I**



**FIG. 4J**



**FIG. 4K**